Application Number: 10/663,659
Examiner: HYEON, Hae M
Art Unit: 2839

Applicant: Speed Tech Corp.

IN THE SPECIFICATION

Please amend the specification as follows.

At paragraph beginning at line 4 of page 1.

The present invention relates to ~~an electric~~ a structure of an electrical connector for use in a computer network and, more particularly to ~~such an electric~~ a structure of an electrical connector, which uses finger means to detachably secure the back cover to the housing, holding down the terminals positively in position inside the housing.

At paragraph beginning at line 10 of page 1.

Following fast development of computer technology, a variety of sophisticated connectors for use in a computer network has been disclosed. Frequently plug and pull action between matched connectors may cause a distortion of the terminals, resulting in an interruption or inaccuracy of signal transmission. Therefore, when designing an ~~electric~~ electrical connector, the following factors must be well considered.

At paragraph beginning at line 22 of page 1.

FIG. 7 is an exploded view of an ~~electric~~ electrical connector according to the prior art. According to this design, the ~~electric~~ electrical connector comprises an electrically insulative housing **A**, the housing **A** having two backwardly extended retaining arms **A1**, a terminal holder **B** mounted in the housing **A**, a back cover **C** fastened to the rear side of the housing **A**, and a metal shield **D** covering the housing **A** and the back cover **C**. The terminal holder **B** comprises a first holder block **B1** holding a set of contact terminals **B11**, and a second holder block **B2** holding a set of mounting terminals **B21**. The back cover **C** is soldered to the contact terminals **B11** and the

mounting terminals **B21**. This design of ~~electric~~ electrical connector is complicated, resulting in a high manufacturing cost and complicated in installation procedures. Because signal is transmitted from the contact terminals **B11** to the circuit board in which the mounting terminals **B21** are installed via the back cover **C**, the signal in transmission tends to be interfered with external noises, thereby causing an instability or interruption of signal transmission. Further, the connection between the contact terminals **B11** and the mounting terminals **B21** tend to be broken.

At paragraph ~~beginning~~ at line 19 of page 2.

Therefore, it is desirable to provide an ~~electric~~ electrical connector that eliminates the aforesaid drawbacks.

On page 3, lines 1-22.

It is the main object of the present invention to provide a structure of an ~~electric~~ electrical connector, which is simple and inexpensive to manufacture.

It is another object of the present invention to provide a structure of an ~~electric~~ electrical connector, which is detachable.

To achieve these objects of the present invention, the ~~electric~~ electrical connector comprises an electrically insulative housing, comprising a front receiving side, a recessed rear mounting side, and a plurality of insertion holes extended from the front receiving side to the rear mounting side, a plurality of terminals respectively mounted in the recessed rear mounting side of the housing, the terminals each comprising a horizontally extended mounting portion positioned inside the housing, a front contact portion curved obliquely backwards from a front end of the mounting portion and a

soldering portion downwardly extended from a rear end of the mounting portion, the passageways in between the spacer blocks to the outside of the housing for soldering to a circuit board; and a back cover press-fitted into the recessed rear mounting side of the housing to hold the terminals, and the back cover comprising at least one flat pressure wall adapted to hold down the soldering portions of the terminals in the recessed rear mounting side of the housing.

On page 4, lines 2-15.

FIG. 1 is an exploded view of an ~~electric~~ electrical connector according to the present invention.

FIG. 2 is an oblique front elevation in an enlarged scale of the housing for the ~~electric~~ electrical connector shown in FIG. 1.

FIG. 3 is an exploded side view in section of the ~~electric~~ electrical connector according to the present invention.

FIG. 4 is an exploded top view in section of the ~~electric~~ electrical connector according to the present invention.

FIG. 5 is a sectional side view of the present invention showing the ~~electric~~ electrical connector assembled.

FIG. 6 is a top view in section of the present invention showing the ~~electric~~ electrical connector assembled.

FIG. 7 is an exploded view of an ~~electric~~ electrical connector according to the prior art.

At paragraph beginning at line 17 of page 4.

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Referring to FIGS. 1~4, ~~an~~ the ~~electric~~ electrical connector in accordance with the present invention ~~is shown comprised of~~ comprises an electrically insulative housing **1**, a plurality of terminals **2** mounted in the housing **1**, and a back cover **3** fastened to the back side of the housing **1** to hold down the terminals **2**.

At paragraph beginning at line 18 of page 7.

A prototype of ~~electric~~ electrical connector has been constructed with the features of FIGS. 1~6. The ~~electric~~ electrical connector functions smoothly to provide all of the features discussed earlier.